TP-134

Computer Graphics Video, Audio & Data over Twisted Pair Receiver with Auto EQ & Skew

The TP−134 is a high−performance, extended range twisted pair receiver for computer graphics video, balanced/unbalanced stereo audio and bidirectional RS−232 data signals. The TP−133 converts input signals to twisted pair signals and the TP−134 converts the twisted pair signals back into the original formats.

FEATURES

- Inputs - 1 twisted pair on an RJ−45 connector.
- Outputs - 1 computer graphics video on a 15−pin HD, 1 unbalanced stereo audio on a 3.5mm, 1 balanced stereo audio on a terminal block.
- Resolution - Up to WUXGA, 1920x1200.
- RS-232 Port - Full−duplex, bidirectional transmission.
- Automatic EQ Compensation - Automatically detects and compensates for the EQ losses in the TP cable. Can also be set manually.
- Automatic Skew Correction - Automatic detects and corrects the differential delay in the R, B & B color components due to the TP cable. Can also be set manually.
- Cable - UTP (unshielded twisted pair) or STP (shielded twisted pair) cable such as CAT 5.
- Range - Up to 200m (656ft).
- Control - Skew: auto or manual (R, G & B); equalization (peaking): auto or manual.
- Built in Test Pattern Generator - for manually seting R, G & B skew and equalization.
- Indicators - Blue, Green/Link, Red/Power LEDS to set color and equalization.
- Compact MegaTOOLS™ - 2 units can be rack mounted side−by−side in a 1U rack space with the optional RK−T2B universal rack adapter.

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TECHNICAL SPECIFICATIONS

INPUTS:	1 twisted pair on an RJ−45 connector.
OUTPUTS:	1 computer graphics video on a 15−pin HD connector, 1 balanced stereo audio on a 5 pin terminal block, 1 unbalanced stereo audio on a 3.5mm mini jack, 1 RS−232 bidirectional on a 9−pin D−sub connector.
CONTROLS:	Skew, equalization.
VIDEO RESOLUTION:	Up to WUXGA.
AUDIO BANDWIDTH (-3dB):	20Hz to 20kHz.
S/N RATIO:	84dB unweighted.
COUPLING:	AC.
AUDIO TND+N:	0.02% unweighted.
RS-232 BAUD RATE:	Up to 115200bps, full−duplex.
POWER CONSUMPTION:	5.3V DC, 760mA.
TRANSMISSION RANGE:	Up to 200m (656ft).
OPERATING TEMPERATURE:	0° to +40°C (32° to 104°F).
STORAGE TEMPERATURE:	−40° to +70°C (−40° to 158°F).
HUMIDITY:	10% to 90%, RHL non−condensing.
DIMENSIONS:	19.05cm x 8.63cm x 2.44cm (7.5" x 3.4" x 0.96") W, D, H.
WEIGHT:	0.33kg (0.73lbs) approx.
INCLUDED ACCESSORIES:	Power supply.
OPTIONS:	RK−T2B 19” rack adapter.